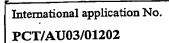


International application No.

PCT/AU03/01202

Α.	CLASSIFICATION OF SUBJECT MATTER				
Int. Cl. 7:	C12Q 1/68; C12N 15/12				
According to International Patent Classification (IPC) or to both national classification and IPC					
В.	FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) SEE ELECTRONIC DATABASE BOX BELOW					
SEE ELECT	RONIC DATABASE BOX BELOW	ent that such documents are included in the fields search	ed		
[WPIDS] [C ACTININ 3;	base consulted during the international search (name of A] [MEDLILNE] [FILE REGISTRY] ACTIN ALPHAACTININ 3; ATHLET?; PERFORM 3; MUSCUL?; MUTANT; MUTAT?	data base and, where practicable, search terms used) IIN; ALPHA-ACTININ; ACTN 3; ACTN3; A I?; MUSCLE; SPORT?; POWER; SNP; POLY	LPHA YMORPHISM;		
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.		
A	Vainzof M, Costa CS, Marie SK, Moreira E and Zatz M (1997). Deficiency of α-Actinin muscular dystrophy. Neuropediatrics 28:22 See the entire document.	1-3 (ACTN3) occurs in different forms of	1–32		
A	North KN, Yang N, Wattanasirichaigoon D A common nonsense mutation results in α- population. Nature Genetics 21:353–354. See the entire document.	, Mills M, Easteal S and Beggs AH (1999). actinin-3 deficiency in the general	1–32		
X Further documents are listed in the continuation of Box C See patent family annex					
* Specia "A" docum which relevar "E" earlier after th "L" docum claim(publication reason "O" docum exhibi "P" docum	l categories of cited documents: ent defining the general state of the art is not considered to be of particular nee application or patent but published on or ie international filing date ent which may throw doubts on priority s) or which is cited to establish the ation date of another citation or other special (as specified)	er document published after the international filing date or priority date in not in conflict with the application but cited to understand the principle theory underlying the invention cument of particular relevance; the claimed invention cannot be assidered novel or cannot be considered to involve an inventive step en the document is taken alone cument of particular relevance; the claimed invention cannot be assidered to involve an inventive step when the document is combined the one or more other such documents, such combination being obvious to the error skilled in the art cument member of the same patent family			
	tual completion of the international search	Date of mailing of the international search report 2 7 OCT 2003			
	iling address of the ISA/AU	Authorized officer			
PO BOX 200, E-mail addres	N PATENT OFFICE , WODEN ACT 2606, AUSTRALIA s: pct@ipaustralia.gov.au (02) 6285 3929	DAVID OLDE Telephone No : (02) 6283 2569			





C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
	Mills MA, Yang N, Weinberger RP, Vander Woude DL, Beggs AH, Easteal S and North KN (2001). Differential expression of the actin-binding proteins, α-actinin-2 and -3, in different species: implications for the evolution of functional redundancy. Human Molecular Genetics 10(13):1335–1346.		
Α	, See the entire document.	1–32	
	Yang N, MacArthur DG, Gulbin JP, Hahn AG, Beggs AH, Easteal S and North K (2003). ACTN3 genotype is associated with human elite athletic performance. American Journal of Human Genetics 73:627-631.		
PΧ	See the entire document.	1–32	
	Zanoteli E, Lotuffo RM, Oliveira ASB, Beggs AH, Canovas M, Zatz M and Vainzof M (2003). Deficiency of muscle α-actinin-3 is compatible with high muscle performance. Journal of Molecular Neuroscience 20:39–42.		
PΧ	See the entire document.	1–32	